

PVRC November 2002 Newsletter

Please support our advertisers:

The RF Connection

Ham Radio Outlet

PVRC NEWSLETTER - NOVEMBER 2002

YPlog; A review by Tom Alderman, W4BQF

YPlog* is a shareware multi-functional software program that provides the capability for radio control, contesting, logging, award tracking, dx cluster via packet or internet, real time grey line image of the earth, CW generation via sound card or LPT, that holds weight ratio at speeds over 100 wpm, integration with MMTTY, PSK31, CDROM call books, rotor control, and numerous other features. YPlog is written to run under MS Windows operating system and is compatible with Windows 95, 98SE, ME, NT, 2K, and XP. I have operated it under both Win98SE and XPpro with no problems.

CONTESTING. Contesting features include 50+ contests in the contest calendar (each contest can be customized so users can update rule changes), complete display of points and multipliers, single operator - two radio (SO2R) contesting, fully networked multi-multi or multi-2 contesting with automatic sharing of log data, simple button clicks update one or all stations on the network with shared log information in case a computer has been off-line for a period of time. Multiple

Cabrillo submission formats, CW keyboard with call send-ahead features, complete contest keyboard custom configuration including TR and CT keyboard layout emulation. Search-and-pounce (S&P) and/or Run modes selectable and automatically configured to switch to S&P when tuning dial is moved more than 5 kHz. Built-in voice keyer for SSB. RTTY contesting is fully supported with the option of using traditional TU's, smart TNC's, or sound card systems such as MMTTY.

FEATURES. Logging features include contesting, CW/SSB keyboard messages, PSK31 support, RTTY, log printing, grey line (sun terminator) image of the earth, CDRom (Amateur Radio Call Book, Buckmaster, and QRZ) support, beam headings, dup-checking, QSL label printing, and export to database. Award tracking is provided for DXCC, ITU/CQ zone, IOTA, Grid Locator, and Counties. Multiple computers can be networked for S02R type of operation or to share devices such as packet cluster access or rotor control. ADIF support, both import and export. Log View 5 and plain ASCII import.

DEVICES. Device support includes TR-compatible CW keying and band switching using the LPT port, S02R control using the Top-Ten devices DX-DOUBLER, internal W9XT voice keyer, external voice keying, various forms of PTT control and CW keying using a sound card and simple audio detector. The control panel works with all Icom, Kenwood, Ten-Tec, and some Yaesu (FT-1000 series, including Mark V), FT-100, FT-817, FT-847, FT-890, FT-900, FT-990 tested and supported).

REVIEW. I can not (and will not) tell you that YPlog "is the best"

ham

software simply because I have not used all of the ham software that's available, but I can tell you that, for me, it outperforms any other software I have used. I no longer must have two or three computers available for the different software; one computer running YPlog provides me with all of the major functions I need and without compromise. When you purchase YPlog, you get the total support of it's author, Tony Field/VE6YP. For instance, when I first purchased YPlog it's top speed limit was 99wpm. When I asked Tony if he could increase the top speed to 120wpm, the following day I got a version that had a max speed limit of 200 wpm! Following an update to TR and CT keyboard emulation, I started using the updated version in a contest, only to find out I could not get the CW speed to stay at a set speed. A quick email to Tony and less than 30 minutes later I had a fix to the problem and continued with the contest.

YPlog, when interfaced with my IC-781 provides me with VFO A and B frequency readout in the control screen, A or B selectable, allows me to select modes, select filters, use the wheel on my mouse to change frequency, and I can flawlessly key the rig to over 100 wpm using the computer sound card. You have a type-ahead buffer that is limited by the amount of RAM available on your PC, you can have multiple 10-message files saved, you can completely configure the keyboard to your personal taste.

YPlog allows you to customize which windows and the number of windows (of information) you have on your monitor. In my case for normal

operation (contest screens are set up quite different) I prefer to have eight windows showing on my monitor. Control (shows radio information), logging screen, CW screen, F-key buffer content, DX-cluster screen, grey-line terminator, country worked/confirmed, and station worked/confirmed. You can customize the size of each of these screens also.

When I run contest from home, I do not operate in either a multi-multi or S02R environment so I have no practical knowledge of how well those functions perform. However I've read comments from S02R users and they seem to be quite pleased with that function. I was getting very bored with contesting, mainly because I never felt CT was very "user friendly" so I therefore limited myself to the CQ DX and SS test. However after getting YPlog configured and running my first contest with it, the operation was so intuitive that suddenly I found I couldn't wait for the next contest! Contest configuration is almost completely customizable.

You can configure your own keyboard layout, use the TR or the CT emulation for key functions; you can customize the operation of band mapping; double click to move to a packet spot, have automatic dupe checking, quickly erase a log field, quickly or automatically switch from the Run mode to the S&P mode, send your CQ or contest exchange at variable speeds, and monitor your real-time score and your run rates.

The one thing I do not like about YPlog is the evaluation version. I think it is too restrictive, to the point you can not try the CW keyboard and all of it's functions, you can not simulate a contest so

you can try the contesting function and there are several cosmetic features that are disabled until you register the program. Hopefully Tony will soon release a either a time-limited or a log-limited but complete evaluation version so you can test all of YPlog's features.

I think if your going to use a computer in your shack, you at least owe it to yourself to try YPlog before you decide which is the "best"!

* YPlog is written by Tony Field, VE6YP, 2636 Laurel Crescent SW, Calgary, Alberta, CANADA T3E 6B3. A shareware version of YPlog may be download from <http://members.shaw.ca/ve6yp>. A full feature version requires a registration fee of \$50 US. Other reviews are at <http://www.eham.net/reviews/detail/196>.

PVRC ELECTION RESULTS by Brian McGinnes, N3OC

Elections were held during October. Thanks to those that voted, and especially to those that chose to run for office. The PVRC Officers and Trustees for 2003 are:

President: Jack Hammett, K4VV

Vice-president - North Brian McGinnes, N3OC

Vice-president - South Guy Olinger, K2AV

Secretary Bob Dannals, W2GG

Treasurer Dave Baugher, WR3L

Trustees KE3Q, K3MM, N3RR, N4ZR, W4MYA,

K4IQ, W4ZYT, W3PP, N4AF, ND3A, N1KC

10TH ANNUAL BEEZER CHRISTMAS DINNER by Bob Lutz, W2BZR

The "tenth" annual "Beezer" Christmas dinner at Madison's
Steak &

Seafood (ex- Cuckoo's Nest), 3333 Olney-Sandy Springs Road (Rt 108),
Olney, MD on Wednesday, December 18th. Arrive around 6:00 PM and dine
at 7:00 PM. Cash bar.

Meals are served with tossed salad, baked potato, coffee or tea.

Chocolate sundae, apple pie, or sherbet. Prices include tax and tips.

From the \$23 menu:

Broiled filet of flounder

Jumbo fried shrimp

Sauteed chicken marsala

Fried seafood combination

Baked stuffed flounder

NY strip steak (10 oz)

From the \$28 menu (ordered special)

Prime rib (14 OZ)

Filet mignon (8 OZ)

N.Y. strip steak (16 OZ)

If you make a reservation and don't show, you pay for the meal. Please

RSVP by 12/13/02 via packet to W2BZR or Email to [\[email protected\]](#).

.

THE THIRD (AND LAST) TOWER GOES UP AT K3DI by Dick Wilder, K3DI

Climbers Frank W3LPL and Don K4ZA and ground crew Dave W3OQ, Ross W2OK, Dan K2YWE, and Dick K3DI raised a 100' Rohn 45 in the morning of September 28th and topped it off in the afternoon with a Force12 C31XR 14 element tribander. The other two towers are 80' of Rohn 25 with a HyGain 40CD2 2-el 40m on one and a HyGain TH7-DX tribander on the other. At the present two wires are up, an 80 meter half wave folded dipole and 160 meter "T" which is really a 5.2 MHz half wave with a feed line of 70-feet of shorted RG-58. Additional wires, especially for 160, are planned.

The shack has two operating positions with room to add a third. I am looking for operators for all of the club competition contests listed on the reference page. During this season I expect to enter all contests as unlimited to help the maximum scores and so new operators can become good with CT.

As yet I only have made brief inconclusive on air comparisons of the C31XR and TH7DX. During the CQWW-Ph the C31XR and non-members W4EE and SM0WKA (aka SM0W) and members W3ICM and K3DI piled up the largest score yet from this station. After the contest I asked Teemu ("Tom" is his radio name) SM0WKA how he learned to speak English so fast seeing it is his third language. (His Finnish family emigrated to Sweden.)

Grinning, this 20 year old replied that in language lab he played the English tape at double speed. Thanks to W3LPL who had a full staff and passed Teemu to me.

Carroll County PVRC Meeting Minutes

By Jim Nitzberg, WX3B Oct 18, 2002

In attendance were the following members:

WX3B, AK3Z, N3SB, NY3A, N3VOP, W3ARS, WX3F, AA3XZ, and W3SY.

Guests: WA3G, N3WM, K1RH, K1RH/XYL, and K3ZE

This was our First fall meeting and of course the main topic of conversation that could be heard echoing around the table were station improvements, past, present and future. The table was buzzing with plans for the upcoming CQWW Phone and Sweepstakes competitions.

This was WA3G, John Lynch's first meeting!

John is interested in becoming a PVRC member and expanding his contesting abilities. He will be available during the upcoming season to help out team WX3B. We're hoping for a good score from John during the Sweepstakes event this year. Welcome John, and we're looking forward to having you as a member.

Rob Heath, K1RH and his wife Theresa were delightful dinner guests and

this was Rob's second dinner, but actually his third meeting. Now we

just need to vote him into the club so he can begin contributing. Rob is looking forward to contributing scores to PVRC p and he is testing out his new secret weapon: the Heil headset!

This was also K3ZE's (Al) first PVRC meeting. He is very interested in joining this group and we're searching for his second meeting so he can be voted into the club p hopefully BEFORE you read this article. Al is also a member of the Carroll County Amateur Radio Club.

John, AK3Z is making statements about his 160 Meter inverted L again.

WE suspect he's gearing up for the 160 contests. It's good that there's another station in Carroll County with a big signal on 160.

Steve, NY3A is enjoying the fruits of his two networked logging computers running writelog. Steve uses two computers to control his S02R station. Steve is actually considering running high power for Sweepstakes/CW this year.

Steve, N3SB is getting excited about his upcoming Dxpedition to VP5 for the ARRL DX CW contest. In addition, ANOTHER toy has landed on his doorstep p and Icom 781. This new radio will be making its debut on the 10 meter operating position at WX3B.

Bill, N3WM came to be with the Carroll Country Group because he knows us well. While he dabbles in contests p we have to set the hook and get him VERY interested in contesting. He already has many of the symptoms of a contester (runs his own business, is an executive at the radio

clubb) so it's just a matter of time before he's recruited!

Steve, W3SY has also been contemplating what he could do to have more fun in SS/Phone this year. His answer involves running a KW and entering SS in high power mode. We also see that Steve has the limelight in November QST for humorous correspondence about breaking those BIG pileups!

Brian, AA3XZ mentioned that he might try and participate in sweepstakes from his home. Also, the Carroll County Amateur Radio Club is doing a Sweepstakes effort in phone this year.

Clint, W3ARS talked about his 432mhz antenna(?) and of course Clint will be active from both his home station and the Club Station K3PZN during Sweepstakes.

Mike, N3VOP mentioned the Carroll County Hamfest at the end of October. He is in charge of the special events station which should have a very special time since it is CQWW weekend.

Larry, WX3F visited at the beginning of the meeting but due to work he had to leave early. Larry, we're counting on you for those 1,000 SS QSOs!

Jim, WX3B has decided that 2 element Quads are great antennas. The 10 meter operating position now generates a respectable signal thanks to

Lightning bolts best by a monoband quad up only 33 feet. It packs a

SERIOUS punch, and to Europe it's almost always louder than my Yagi up 55 feet.

After the dinner - a group of us adorned to WX3B to do some OPERATING!

John, WA3G was keeping 75 meters active and working Europeans by the handful. NY3A got on 15 meters and proceeded to work JA, Tonga and a few others. W3SY was cracking pileups on 20 meters. And Rob, K1RH could be seen tinkering around with 40 meters but I don't know if he

made contacts! It was a good test of band pass filters around the shack. The evening didn't end until well after midnight and many QSOs in the logs. It was good seeing all those positions operating but now if I can just keep people in those chairs for the other 45 hours during a real contest!

Our group announced a regional Sweepstakes Award program during our meeting. Al, K3ZE has volunteered to produce the very farmable award certificates, complete with full color PVRC logo to be signed by Jim Nitzberg and Brian McGinness. An award will be issued to any Carroll County PVRC member who submits their Sweepstakes score. Special recognition will be given to those who are first time contributors. In addition, there will be several other awards to be finalized before the competition. Best wishes to all for the upcoming contest season!

CVCC MEETING 10/8/2002 by John Youell, W4TNX

The pre-meeting at the Crazy Greek restaurant had 22 people present.

Steve (K4EU) came down from the Culpepper area and brought our guest speaker, Ken (K4ZW). Paul (K4JA) and Bruce (W3BP) came down from the Callao area. We overflowed our normal corner alcove into three tables in the civilian area. Several others joined us at the regular meeting place and counting the couple of folks that joined us for supper, but couldn't make the meeting, we had about 30 present for the evening.

Bob (W4DR) opened the meeting at 7PM with greetings and in keeping with our recent format, we did introductions around the room asking for a recent good or bad radio related experience. Bob started with the good news that he has now received his 10M P5 QSL. Jon (W4HZ) hopes to have his new rotator up in 2 weeks and AC (W4HJ) has been off the air recently. Ronnie (WU4G) has been QRX radio while in the job hunt mode and Tom (K4JM) said hi and was glad to be here. Marie (K4KML) worked Sri Lanka for a new one on 15M and Becky (KS4RX) said the Virginia Beach hamfest was a real disappointment. Tony (KC4AUF) worked JD0 (Ogasawara). Paul (K4JA) said something like "nothing but a few small projects going on" (anyone believe this?). Steve (K4EU) heard the P5! Seriously, Steve recently returned from a trip to Kentucky, where he attended a gathering of some of the Kentucky DX Association members, including his DX manager of 25 years WA4QMQ. Steve presented WA4QMQ a plaque commemorating & thanking him for his years of service. Ed (NW4B) said hi to the group and Jim (K04XB) said he didn't get the P5, but got a P6 instead. AJ (W4NM) did not go to the Virginia Beach hamfest (that's like our

Treasurer, saving his cash in case he has to bail us out!).

Jim (KZ5OH) is now back on the air, 1 mile or less from my QTH.

Fortunately, I haven't heard Jim yet, but I'm afraid it's going to be ear splitting when I do! Ralph (N4EHJ) got some new band countries (BCs) and Roy (WK4Y) got 23 new BCs. Barry (KF4QQY) didn't get the P5, but our guest speaker Ken (K4ZW) got K4JA from his DX-pedition to JT land. Jason (KG4PMJ) said hi, but no DX.

Bob (NK4H), uncharacteristically, (but probably owing to the HUGE portions of food consumed at the Greek) had nothing to offer radio-wise. Bob (W4MYA) said he hasn't been doing much (probably only keeping his dozen plus radios and dozens of antennas fed with RF as I did hear later that he played in the WAE contest). Dave (N4DWK) has now hit 200

DXCC entities as great milestone Dave! Puck (aka the Puckster, W4PM) said he called CQ, but the P5 wouldn't answer. Also, Puck pointed out that he recently worked an 18 year old at 40 WPM on CW. Don (K7MX) worked a KH6 from his mobile and Dennis (N4DEN) has been keeping our cluster going.

This author, John (W4TNX) thanked the contributors to the TNX DX column of the CVCC newsletter and requests that input keeps coming as well as any "member profile" information. Just as we were wrapping up this phase of the meeting, Park (N4KFD) opened the door, introduced himself and for his contribution said late.

Bob (W4DR) asked about recent contesting and the upcoming CQ DX SSB Contest at the end of this month. W4MYA said he is ready to go for the CQ DX SSB Contest as a M/M and that he did play in the recent WAE contest. K4JA is 3rd claimed high score in the world in the WAE (way to go Paul!) and is going to try the new M/2 class in the CQ SSB.

Dennis (N4DEN) reports that packet is going OK on RF as well as Internet, but he could use any "dead" TNCs you may have.

AJ (W4NM) gave a Treasurer's report and we are still solvent! This author (and past ex-president) felt guilty about the way I left the treasury, so I paid my 2003 dues tonight!

We have been looking for alternate meeting sites and Ralph (N4EHJ), Park (N4KFD) and Dennis (N4DEN) had all done their homework and offered the following options, respectively: Direct Health / Henrico Doctors Parham Road, Mechanicsville near 295/Meadowville and Dennis's church near Tucker H.S. (I hope I got most of that close to right - the info was coming faster than I could take good notes). We decided that we would try Ralph's suggested meeting place next month, so will need good directions in next month's newsletter.

Ken Claerbout (K4ZW) was the featured speaker for the evening. He gave a very FB 35 to 40 minute power point presentation on his recent trips to Mongolia in November of 2001 and September of 2002. There is no way that I can give Ken due credit in a short write-up, so please take my word it

was a FB presentation. In addition to having some DXing fun and setting a contest record from JT land, Ken helped his host Chak (JT1CO) install a Titanex vertical for 80/160M. This should allow low-band DX'ers a chance at zone 23 in the future. Ken had several slides of the local hams and their beverages and beverage antennas, causes of local QRM (harmful to beverage antennas), QTH's and beam antennas, plus some tourist pictures of buildings, countryside, shrines and museums. He also had a slide of an old JT club log with "W4MYA's" call in it. Ken handled several questions throughout the presentation and was given a deserving ovation at the end! Great job Ken!

The last order of business was a motion for the CVCC to endorse a nomination for W4MYA to the CQ Contest Hall of Fame. This nomination was carried unanimously and Bob (W4DR) will proceed with steps to elevate our wishes to the PVRC to be a sponsoring organization for one of its highest scoring contributors.

A good time was had by all and we look forward to an excellent contest season. Stay tuned for directions to the CVCC meeting next month, it will be at a different place (time also?)!

OCTOBER LARC REGIONAL PVRC MINUTES by Pud Reaver, W3YD

The Laurel Regional Chapter of PVRC met after the regular LARC meeting Oct 23. Members in attendance included W3YD, KB3DVC, KB3BWR, KT3D,

KA8YPY, NX3K, K3HDM, W3DAD, N3TZA, and N3XL, who was attending his second meeting and was nominated for membership. We have forwarded his name to the Central Region for nomination; we are slowly approaching the magic number (10) so we can vote in members by ourselves.

We discussed the upcoming major contests for us (CQWW, SS, and ARRL 10-meter), and reminded ourselves that participation with the club at W3LRC did not rule out also working a few hours from the home QTH. Pud/W3YD and Kevin/W3DAD will be doing this with back-up rigs, since both have sent their OMNI VI PLUS stations down to Sevierville for maintenance and tune-up. Dennis/KT3D will be trying out the N1MM logging program he downloaded and hooked up to his Yaesu. Most others, if time permits, will be helping the club W3LRC.

SOUTHWEST VIRGINIA CHAPTER PVRC MEETING MINUTES

by David Jones, N4JED, SWVA Sec

The Southwest Virginia Chapter PVRC met Friday October 6 at the Roanoker Restaurant. Present were K1GG, WM3T and KF4OKG, N4EL and KA4BSA, N4GU, N4JED, W4JAM and WOMAN.

Following an excellent dinner, Gordon K1GG started the meeting on behalf of the nominating committee. New officers were proposed - Mike N4GU as chairman and David N4JED as secretary. A unanimous vote followed with the two taking office immediately after. Thanks were expressed to John K4IQ for his hard work heading the chapter since its formation five

years ago. Mike N4GU was also commended for his service as chapter secretary.

General discussion followed ranging from VHF qso party to 80 meter dx contesting. VHF contest activity appeared down and only two chapter members reported operating. N4JED turned in a WAE and VHF score - though small. Nat N4EL led a discussion on installing the new Rigrunner Power Strip. Highly recommended it both operationally and construction wise. Methods and strategies for operating 80 meters in contests were discussed along with the difficulty of holding a frequency on the band. John W4JAM discussed several of his operating experiences on 80 from Florida and places and offered advice. Stacking and operating of rotating dipoles on 80 were also mentioned. An impromptu vote of logging software found CT and Writelog as the two top used programs with a variety of other commercial and free programs cited.

Everyone was encouraged to participate in the upcoming contests and to submit their scores regardless of how small. Members were reminded that the Southwest Virginia Chapter was running its own 5 mil contest concurrent with the PVRC program to encourage local participation. Next meeting scheduled for Friday November 1 at the Roanoker Restaurant. Holiday meeting to occur in January. Members were asked to check their calendars and let N4GU know their availability. Meeting was adjourned to the parking lot.

COMMENTS FROM THE EDITOR, K3DI

What can we do to boost our scores? Clearly the short range need is to get more stations on, to operate more hours, and send in ALL logs. This augmented by station improvements.

However, I suggest that we should not loose sight of the fact that future years rely on our obtaining new members during today's battles. I edit a monthly CONTESTING column in the AUTOCALL beamed to new Hams to get them into contesting. (I'm begging for an article for that column.) During a contest, I note stations in or near Anne Arundel county and telephone them after the contest to talk about PVRC and operating at K3DI. I picked up W3OQ so far.

What can you do? Perhaps you can enter less as SO or SOA, invite a nearby ham over, hook his 100W rig to a spare antenna, and enter as multi-something -- fun and more club points even if it's not a winner as a station. Also, perhaps you have a chance to talk up contesting at your local Ham club meeting and form a new chapter.

I plan on running as unlimited in ALL 5M contests. This will allow the greatest flexibility in scheduling ops, the greatest points for PVRC, and probably allow scheduling a new tester on slower bands while the op develop interest and skills.

The prior comments are sort of traditional. A new thought is using our postage imprint to cheaply send direct mail (200 pieces minimum) solicitations to all non-member stations in our area who have submitted

a score in any contest. This effort would take somebody to extract calls from magazine or internet contest listing.

The printing cost of the direct mail approach could be covered by commercial advertising income from the PVRC NEWSLETTER. This will need somebody to be the PVRC NEWSLETTER advertising manager. (It's overload for me to do it.)

Perhaps the direct mail approach could be handled by three persons.

1. PVRC advertising manager.
2. Extractor of calls for results
3. Preparer of the mailer. I'll help.

I have one question. What is SMC doing that works?

S C O R E S by Bob Dannals, W2GG

Corrections, additions, etc. -

email to [\[email protected\]](#)

- missing data

ARRL Sept VHF FINAL 15-Oct-02

Call P-B QSOs Mults Total

Single Operator

K3DNE H7 598 208 205,920

W4RX H10 493 177 156,999

K2UOP H9 263 113 52,658

W3EKT H5 180 53 12,127

N3UM L2 145 35 5,075

K3DSP L2 100 38 3,800

W6AXX L1 112 29 3,248

W3ARS L3 104 ## 3,180

N3AM L3 86 27 2,565

N3VOP L4 68 18 1,530

W8ZA L3 41 25 1,225

W4XP Q4 56 19 1,159

W2YE L1 42 14 588

N4MM L# 34 17 578

AD3F L2 35 ## 420

W3KHZ L2 30 11 330

K4NYS L3 13 ## 150

N3FNE L1 14 5 70

N4JED L1 3 3 9

K1SO L1 1 1 1

Rover

W3IY H10 840 1,681 179,867

Multi-Op

K8GP H14 1985 426 1,412,190

W3SO H4 757 176 176,176

W3LRC L4 86 15 1,470

Logs: 23 Club Score: 2,221,335

Operators (non-PVRC in paren')

K8GP - K1HTV K1RA K3MM KM3T W3ZZ K6LEW K8ISK (KA1TB N3AKO)

W3LRC - K3HDM KA8YPY W3YD WI3N

W3SO - WR3Z K4VV AI3M K2PLF K3IXD W3YOZ K3RUQ N1WR W3TEF (KD3SA)

- missing data

P-B Power and Bands

Corrections, additions, etc. - email to [\[email protected\]](#)

WAE SSB 2002 FINAL 15-Oct-02

Single Op - High Power

CALL QSOS QTCs MULTs SCORE

W4MYA 1656 1485 187 1,366,062

N8II 1189 1160 152 765,774

AD4L 606 605 107 273,686

K3DI 340 337 257 173,989

N4GG 263 258 96 116,183

N3AM 230 228 197 90,226

W3HVQ 254 253 176 89,232

KO7X 260 258 81 89,096

K2UOP 75 0 42 7,650

Single Op - Low Power

N1WR/3 703 686 145 449,064

N4MM 201 ### 162 64,638

K4WES 146 145 144 41,904

N4JED 120 82 109 22,018

N3FNE 64 40 39 6,552

W2GG 33 30 ### 2,772

Multi-Op

K4JA 2147 1947 214 2,112,760

Dxpedition

TA1/AJ3M 73 0 71 5,183

Logs: 17 Club Score: 5,676,789

Operators:

K4JA - K4JA, K9GY, KE9I, W3BP

KO7X - at KI7WX

N1WR/3 - KD4D at N1WR

- missing data

CQWW SSB SCORE #4 31 Oct 02

Call Pwr-Bnd Qs Zon Cou Score

Single Op - Unassisted

K4ZW C 3202 150 547 6,353,852

K3ZO C 3136 137 486 5,547,192

NX9T C 1860 115 382 2,563,526
WR3Z C 1416 127 417 2,139,008
NR3X B 1320 103 111 1,651,188
K2UOP C 1002 115 384 1,397,699
N3UM C 873 90 301 951,694
N4MM C 762 109 319 905,220
N4CW C 800 87 294 853,821
K3JT B 734 79 258 683,436
N4GU C 607 95 257 596,992
N3HBX C15 1273 35 130 585,750
K3DSP B 638 72 228 530,400
K1KO C 577 67 231 476,502
K3WA C 500 75 243 441,702
K4EU B 510 94 220 426,098
N4JED B 520 69 195 375,936
N4EL C 500 65 199 361,416
N4MO B15 566 33 129 258,714
K07X C 347 79 158 224,202
W3AZ C 359 61 161 221,334
KE4MILB 351 47 163 203,490
W3CP B 274 69 163 175,160
K4UVT B 260 64 172 165,672
K3SWZ B20 312 32 104 115,328
N3FX C 216 55 116 101,232
K4WES B 201 52 112 83,312
W4RIM C 165 36 90 53,460

W4XP B 145 45 90 49,815

N8CH C 118 32 82 38,760

N3FNE B 120 28 63 28,938

N3ZR B 84 25 47 15,624

N3XL B 13 8 12 520

Single Op - Assisted

W4RM C 1847 119 440 2,972,203

N3AM C 1675 119 435 2,656,984

WX3B C 1257 90 327 1,508,706

KV3R C 1067 112 361 1,443,596

K3KO C 725 111 383 1,000,350

W3HVQ C 508 113 337 616,950

N4GG C 595 76 256 551,784

K3SV C 250 78 206 118,192

Multi-Single

W4WS C 2208 149 574 4,306,911

W3LJ C 728 93 316 807,366

Multi-2

K4JA C 4893 177 717 12,171,810

K3DI C 2346 151 558 4,629,061

Multi-Multi

W3LPL C 7676 186 761 19,379,408

W4MYA C 4999 178 698 11,723,508

A: QRP

B: Low Power

C: High Power

TS: Tribander and single element 160-40

BR: Band Restricted

R: Rookie

Logs: 47 Club Score: 92,463,822

Operators (non-PVRC):

K3DI: W3ICM K3DI (W4EE SM0WKA)

K4JA: K4JA W3BP K4MA K7SV KE9I (AJ9C)

K07X at KI7WX QTH

NR3X: N4YDU

W3LJ: W3LJ W3IDT KA3UBJ (K3NCO)

W3LPL: K1HTV AI3M W2GG W3LPL KD4D K3RA K4ZA KE3Q

K1RA K1RZ K3MM NK3R (4X6FR)

W4MYA: K4KML N4DEN N4DWK N4EHJ N4RV N4ZJ W4DR W4MYA

W4TNX WK4Y (K4WMA NW4V W4PFM)

W4WS: WS4NC KG4NEP WB4MSG W2DZO

KB6MTH (AG4RZ KG4CZU WA4IAM)

WR3Z at N1WR QTH